

U. S. Gov't
Master
Specification
No. 229

DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
George K. Burgess, Director

CIRCULAR OF THE BUREAU OF STANDARDS, No. 217

[Issued May 22, 1925]

UNITED STATES GOVERNMENT MASTER SPECIFICATION FOR
SURGEONS' RUBBER GLOVES

FEDERAL SPECIFICATIONS BOARD SPECIFICATION No. 229

This specification was officially promulgated by the Federal Specifications Board on November 5, 1924, for the use of the Departments and Independent Establishments of the Government in the purchase of surgeons' rubber gloves.

CONTENTS

	Page
I. Type.....	1
II. Material and workmanship.....	1
III. General requirements.....	1
IV. Detail requirements.....	2
1. Rubber content.....	2
2. Tensile strength.....	2
3. Elongation.....	2
4. Sterilization.....	2
V. Sampling.....	2
VI. Packing and marking.....	2
VII. Additional information.....	2
VIII. General specifications.....	2

I. TYPE

Surgeons' rubber gloves shall be of a single type as described below.

II. MATERIAL AND WORKMANSHIP

Gloves shall be free from coloring matter or fillers, reclaimed rubber, or substitutes. The surface shall be smooth and free from ingrained particles, blisters, thin spots, or other imperfections.

III. GENERAL REQUIREMENTS

Gloves shall have a rolled edge or band at wrist. The length, width, and weight of gloves shall conform to the table following.

45220°—25†

Size number	Length from tip of index finger to end of gauntlet, minimum	Width at a point between base of index finger and thumb	Weight per dozen	
			Medium, minimum	Heavy, minimum
	<i>Inches</i>	<i>Inches</i>	<i>Ounces</i>	<i>Ounces</i>
6½-----	10	6½	9¾	12¾
7-----	10	7	10¾	13¾
7½-----	10½	7½	11¾	14¾
8-----	10½	8	13	16
8½-----	10½	8½	13¾	16¾
9-----	10½	9	14¾	17¾
9½-----	10½	9½	15¾	18¾

NOTE.—A tolerance of $\pm\frac{1}{8}$ inch in width will be permitted.

IV. DETAIL REQUIREMENTS

1. RUBBER CONTENT.—Gloves shall contain at least 95 per cent by volume of best quality new wild or plantation rubber.

2. TENSILE STRENGTH.—The tensile strength shall be at least 2,700 lbs./in.²

3. ELONGATION.—The ultimate elongation shall be at least 600 per cent (1 inch to 7 inches).

4. STERILIZATION.—A sample shall be wrapped in gauze and subjected to five successive sterilizations in steam at 15 pounds pressure for periods of 20 minutes each, with intervals of 20 minutes between sterilizations. Test strips shall remain at room temperature for 24 hours before being tested. The tensile strength after this test shall be not less than 1,500 lbs./in.²

V. SAMPLING

One pair of each size and weight from each 500 pairs delivered shall be selected for test and analysis.

VI. PACKING AND MARKING

Each glove shall be marked with the manufacturer's name or trade name. Packing shall be as called for in the proposal.

VII. ADDITIONAL INFORMATION

No details specified.

VIII. GENERAL SPECIFICATIONS

General Specifications for Rubber Goods, F. S. B. Specification No. 59, in effect on date of issuance of proposal, shall form part of this specification.

Additional copies of this publication may be procured from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents per copy.